

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Felix M. Sciulli et al.
For : APPARATUS FOR GENERATING A HIGH-
PRESSURE FLUID JET

Docket No. : 340058.534D1
Date : November 20, 2003

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the forty-seven (47) references set forth on the attached Form PTO-1449. This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior Application No. 10/114,920, filed April 1, 2002. The references listed on the attached Form PTO-1449 were submitted to and/or cited by the Patent and Trademark Office in this prior application and, therefore, are not required to be provided in this application. If the Examiner wishes, copies will be provided upon request. As to any reference supplied, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,
Seed Intellectual Property Law Group PLLC



Lorraine Linford
Registration No. 35,939

Enclosures:

Postcard
Form PTO-1449

701 Fifth Avenue, Suite 6300
Seattle, Washington 98104-7092
Phone: (206) 622-4900
Fax: (206) 682-6031

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FORM PTO-1449 (REV.7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 340058.534D1	APPLICATION NO.
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Felix M. Sciulli et al.	
		FILING DATE	GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,283,832 B1	09/04/01	Shepherd	451	40	
	AB	6,237,904 B1	05/29/01	Shepherd	267	150	
	AC	6,155,245	12/05/00	Zanzuri	125	12	
	AD	6,126,524	10/03/00	Shepherd	451	75	
	AE	6,126,154	10/03/00	Shepherd	267	150	
	AF	6,077,152	06/20/00	Warehime	451	75	
	AG	5,851,139	12/22/98	Xu	451	102	
	AH	5,643,058	07/01/97	Erichsen et al.	451	99	
	AI	5,508,596	04/16/96	Olsen	318	567	
	AJ	5,372,540	12/13/94	Burch et al.	452	156	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AK	EP 0 307 174 A1	03/15/89	EPO		
	AL	FR 2 699 852	07/01/94	France (+ English Abstract)		X
	AM	G 94 02 938.5	05/26/94	Germany		X
	AN	WO 01/14101 A2	03/01/01	WIPO		
	AO	WO 95/21044	08/10/95	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	Ansari et al., "Effect of Waterjet Pressure on Thermal Energy Distribution in the Workpiece During Cutting With an Abrasive Waterjet," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, Chicago, IL, November 27-December 2, 1988, pp. 141-148.
	AQ	Arola and Ramulu, "Abrasive Waterjet Machining of Titanium Alloy," in <i>Proceedings of the 8th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 26-29, 1995, pp. 389-408.

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	BA	5,320,289	06/14/94	Hashish et al.	239	434	
	BB	5,144,766	09/08/92	Hashish et al.	51	439	
	BC	5,092,085	03/03/92	Hashish et al.	51	439	
	BD	5,018,670	05/28/91	Chalmers	239	433	
	BE	4,951,429	08/28/90	Hashish et al.	51	439	
	BF	4,650,164	03/17/87	Shepherd	256	68	

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					YES	NO
	BG					

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	BH	Arola and Ramulu, "Mechanisms of Material Removal in Abrasive Waterjet Machining of Common Aerospace Materials," in <i>Proceedings of the 7th American Water Jet Conference</i> , WaterJet Technology Association, Seattle, WA, August 28-31, 1993, pp. 43-64.
	BI	Hamatani and Ramulu, "Machinability of High Temperature Composites by Abrasive Waterjet," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, Chicago, IL, November 27-December 2, 1988, pp. 49-62.
	BJ	Hashish and du Plessis, "Prediction Equations Relating High Velocity Jet Cutting Performance to Stand Off Distance and Multipasses," in <i>Proceedings of the Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, San Francisco, CA, December 10-15, 1978.
	BK	Hashish, "Applications of Precision AWJ Machining," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991.
	BL	Hashish, "Characteristics of Surfaces Machined With Abrasive-Waterjets," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, San Francisco, CA, December 10-15, 1989, pp. 23-32.

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CA						

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				YES	NO
CB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC	Hashish, "Controlled-Depth Milling Techniques Using Abrasive-Waterjets," in <i>Proceedings of the 12th International Conference on Jet Cutting Technology</i> , BHR Group Limited, Rouen, France, October 25-27, 1994, pp. 449-461.
CD	Hashish, "Deep Hole Drilling in Metals Using Abrasive-Waterjets," in <i>Proceedings of the 13th International Conference on Jetting Technology</i> , BHR Group Limited, Sardinia, Italy, October 29-31, 1996, pp. 691-707.
CE	Hashish, "Machining of Advanced Composites With Abrasive-Waterjets," in <i>Proceedings of The Winter Annual Meeting of The American Society of Mechanical Engineers</i> , The American Society of Mechanical Engineers, Chicago, IL, November 27-December 2, 1988, pp. 1-18.
CF	Hashish, "Status and Potential of Waterjet Machining of Composites," in <i>Proceedings of the 10th American Waterjet Conference</i> , WaterJet Technology Association, Houston, TX, August 14-17, 1999, pp. 811-827.
CG	Hashish, "The Effect of Beam Angle in Abrasive-Waterjet Machining," <i>J. of Engineering for Industry</i> 115:51-56, February 1993.
CH	Hashish, "Turning, Milling, and Drilling With Abrasive-Waterjets," in <i>Proceedings of the 9th International Symposium on Jet Cutting Technology</i> , BHRA, Sendai, Japan, October 4-6, 1988, pp. 113-131.
CI	Henning and Anders, "Cutting-edge quality improvements through geometrical modelling," in <i>Proceedings of the 14th International Conference on Jetting Technology</i> , BHR Group Limited, Brugge, Belgium, September 21-23, 1998.
CJ	Henning, "Computer Aided Manufacturing for Three-Dimensional Abrasive Water Jet Machining," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997.

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				YES	NO
DB					

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DC	Holmqvist and Öjmertz, "Influence of Abrasive Waterjet Cutting on the Fatigue Properties of Extra High-Strength Steel," in <i>Proceedings of the 10th American Waterjet Conference</i> , WaterJet Technology Association, Houston, TX, August 14-17, 1999, pp. 1-13.
DD	Jenkins et al., "Abrasive Waterjet Machining Effects on the High Temperature Degradation and Mechanical Properties of a Ceramic Matrix Composite," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997, pp. 157-171.
DE	Matsui et al., "High Precision Cutting Method For Metallic Materials By Abrasive Waterjet," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991, pp. 127-137.
DF	Ramulu and Arola, "Abrasive Waterjet Process Dependent Performance of Polymer Composites Under Static and Dynamic Loading," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997, pp. 29-46.
DG	Ramulu et al., "Abrasive Waterjet Drilling and Cutting Mechanisms in Continuous-Fiber Ceramic Composites," in <i>Proceedings of the 9th American Waterjet Conference</i> , WaterJet Technology Association, Dearborn, MI, August 23-26, 1997, pp. 109-132.
DH	Reichman and Cheung, "Waterjet Cutting of Deep-Kerfs," in <i>Proceedings of the Fourth International Symposium on Jet Cutting Technology</i> , BHRA Fluid Engineering, Canterbury, England, April 12-14, 1978, pp. E2-11 and E2-21.
DI	Sheridan et al., "Microstructural and Mechanical Characterization of Threaded Composite Tubes Machined Using AWJ Cutting," in <i>Proceedings of the 8th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 26-29, 1995, pp. 245-258.

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	EA						
	EB						
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					YES	NO
	EF					
	EG					
	EH					
	EI					

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	EJ	Singh et al., "Comprehensive Evaluation of Abrasive Waterjet Cut Surface Quality," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991, pp. 139-161.
	EK	Specifications for HD Systems, FHA Series of Hollow Shaft Servo Systems, 1999.
	EL	Whalen, "Application of Advanced Abrasive Waterjet Machining at GE Aircraft Engines," in <i>Proceedings of the 7th American Water Jet Conference</i> , WaterJet Technology Association, Seattle, WA, August 28-31, 1993, pp. 883-897.
	EM	Zeng et al., "Characterization of Energy Dissipation Phenomenon in Abrasive Waterjet Cutting," in <i>Proceedings of the 6th American Water Jet Conference</i> , WaterJet Technology Association, Houston, TX, August 24-27, 1991, pp. 163-177.
	EN	
	EO	
	EP	

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